

ALL TECHNOLOGY RALLY TOMORROW NIGHT

THE EDITORIAL SPECULUM

The Pop Concert

With more than customary gusto we have used our rubber stamp of approval on the Pop Concert plan. With due regard for the emphasis of restraint we make use of it once more, employing finally a different colored ink to impress upon every one that tomorrow night is one of moment and interest.

The Alumni body has put on this superbly conceived Phantom Dinner as its tribute to Technology and as its contribution to its prestige and cohesiveness. And the undergraduates? The Pop Concert, of course, is to be the vehicle of their tribute and burnt-offering, and, to put it baldly, it is a flea-bitten, hookwormish student body that will allow an Alumni group to be more generous than they in their expression of Technology spirit. It is then the Phantom Dinner and the alumni versus the Pop Concert and the undergraduate. For the undergraduates to make even a showing it will be necessary for them to be at Walker as nearly unanimously as possible. They must be there with a conception of the significance and importance of the affair as a step toward a finer Institute solidarity. They may be rowdy and ribald but they should be there.

That is the didactic side. There is another: There is something about the idea that harks back to "Tech on Boylston Street," something that is reminiscent of the wholesome bacchic spirit of the Stein Song. There will be no immobile audience row on row, no stilted silence. But there will be entertainment, and a chance to participate in and enliven that entertainment. Whether you like this official undergraduate news organ or not, be there!

Tech Show Falls in Line

The larger activities at Technology, save one, have it as one of their ma-
(Continued from Page 1)

TRIP ARRANGEMENTS ARE MADE FOR SHOW

Alumni Plan Entertainment of Tech Show During Trip

A great deal of interest concerning the coming Tech Show performances has been shown by the various cities among the show route, judging by the number of arrangements that the Alumni have gone to the trouble of making. All railroad and hotel accommodations have now been made, according to the Tech Show management.

At Buffalo the committee has arranged for a tea to be given to the Show members. Dinner will be enjoyed at private homes in Schenectady as a result of the efforts of the Alumni in that city. Those who wish will visit the main plant of the General Electric Company which is situated there.

To make the Pittsburgh performance all the more impressive, the Show management has provided for busses to convey the men from the station to the hotels. Banners and streamers will decorate these busses.

NEW POWER UNIT TO BE SHIPPED TODAY

Word has been received from Pittsburgh that the new 1500 KVA power unit which is to be installed in the power house will be shipped from the works today, and should arrive in about two weeks.

The foundations have been completed, according to Major Smith, and the unit will be installed as soon as it arrives. With this new equipment in service, it is unlikely that another power shortage will manifest itself for several years.

ALL-TECHNOLOGY

**MUSICAL CLUBS POP CON-
CERT**, in main hall Walker
in connection with Phantom Din-
ner broadcast tomorrow even-
ing, beginning at 7:30 o'clock.
Tickets, including refreshments,
fifty cents and can be obtained
from any member of clubs. Af-
fair stag and informal.



Vice-Pres. Dawes



Dr. S. W. Stratton



George Eastman

Demonstration of Radio Control Is Given At Lecture

Popular Science Lecturer Is Believer in Radio Movie Era to Come

"The time of the radio movie is not so far off and fortunately we may do our own censoring when the time comes," said Professor E. L. Bowles, of the Electrical Engineering department at the popular science lecture which he gave Friday and Saturday for the high school students of Greater Boston, and Sunday for the general public. This lecture, held in room 10-250, was one of a series which the Society of Arts gives annually for the benefit of the public. The subject was "Recent Developments in Radio."

In speaking of this era of radio notion pictures to come, Professor Bowles had in mind the system of C. Francis Jenkins of Washington, whose apparatus, as now developed, can transmit movies, in silhouette only, directly onto a screen at the receiver. This is, it is believed, a great step toward the more startling movie transmission to come. As the speaker said, "These inventions have to be given time to grow slowly, just as do humans."

Has Commercial Aspect

An easily comprehensible explanation of the system of the American Telephone and Telegraph Company for transmission of still pictures over wire was given. The system, while by no means in a stage of perfection, will yield a picture which will give a newspaper half-tone indistinguishable from the ordinary one. The Long Lines division of the Bell system.
(Continued on Page 4)

ELECTRICALS WILL HEAR STUDENT TALK

Description of Richmond Power Station to be Presented

"Electrical Characteristics of Richmond Station of The Philadelphia Electric Company," is the subject of the paper to be read by Constantine Bary '27, at the meeting of the Electrical Engineering Society in North Hall, Walker at 7:30 Wednesday.

This will be the third of a series of papers being written and presented by the students at the meetings of the Society. The Philadelphia Electric Company is co-operating with Bary in that they have furnished a number of lantern slides and blueprints. According to existing plans Richmond Station, when completed, will be the largest station in this country. The generating equipment will consist of twelve 50,000 Kw turbo generators which will supply electricity to Philadelphia and surrounding territory.

As Bary was employed for several years by this company in their Electrical Construction Department, he will present not only the plans from a theoretical viewpoint but from the viewpoint of actual practice in the field. The meeting is open to all students.



Maj. Gen. Harbord



David Sarnoff

RADIO DINNER IS TO BE NATIONAL EVENT

Popularity of the Enterprise Clearly Demonstrated

That great interest is being shown in the Phantom Dinner is indicated by the number of cities to participate in the event tomorrow evening. Sixty-one have signed up so far.

They range in location from the Atlantic coast to the Pacific, and from Maine and Washington to Florida and Texas. Even the Alumni Association in Havana, Cuba, has signified its intention of "listening in" on the broadcast. As in the case of the first All-Technology Radio Dinner in 1924 it is expected that the event will be heard in England.

Montana stands first in the number of Alumni gatherings to be held tomorrow evening, there being seven cities in that state where Technology dinners will be given. Wisconsin is a close second with six gatherings scheduled, while Massachusetts and Ohio will have four.

BASKETBALL TEAM STAGES COMEBACK AGAINST R. I. MEN

Engineers Overcome Early Lead of Rhode Island to Win in Final Minutes

FORRESTER SCORES MOST

Many Personal Fouls Called on Both Teams as Score Becomes Closer

With the score 18-13 against them at the end of the first half, the Cardinal and Gray Basketball team took the wind out of the sails of the smoothly sailing ship of Rhode Island State early in the second half, overcoming the visitors' lead and coming to the fore to be on the top side of a 30-26 score when the final whistle blew in the Hangar gym, Saturday evening.

The tussle was indeed as close as one as Coach McCarthy's men have experienced thus far this season, especially in the first period where the lead changed hands no less than seven times with the Rhode Island boys having a five point advantage at the half. Not many attempts to cage the inflated spheroid from beyond the foul line occurred, but nevertheless considerable fouling resulted as three players were put out of the game by the personal foul route.

Ashar and Jensen of Rhode Island and Ernie Hinck of Technology were the unfortunate ones to be banished.
(Continued on Page 4)

1926 YEAR BOOK IS PROGRESSING FAST

First Copy To Go To Printers Fifteenth Of February

Rapid progress in the publication of the 1926 year book is reported by the Technique Board. The first copy is expected to be at the printers on the fifteenth of next month.

The makeup of this year's book differs somewhat from those preceding it. There will be a larger type page than usual, with smaller borders. Due to the large quantities of informals turned in, the informal section will be much larger. More features will be offered. Last year there was a shortage of freshman and Sophomore informals as well as of house parties. There is a marked increase of these this year. Some are already made up and will go to the engravers before the final examination this term.

The Senior Portfolio is practically complete, and will probably go to the engravers with the freshman and Sophomore informals.

It has been announced by the statistics editor that there are about two hundred statistic blanks still out. These should be turned in as soon as possible to make that department complete.

New candidates for the Technique Board still have a chance in the spring election. At least eight will be elected.

NOTED MEN WILL SPEAK AT RADIO PHANTOM DINNER

Musical Clubs Pop Concert to Start At 7:30 O'clock In Walker

DR. STRATTON WILL TALK

Glee Club Selection and Tech Show Specialty Act to Be Broadcast

Tomorrow night the much heralded All-Technology Phantom Dinner will be held, starting at 9:30 o'clock, Eastern Standard Time, to be participated in by over 61 Technology Alumni clubs throughout the United States.

Reception of the entire program will be held in Walker Memorial following the Musical Clubs Pop Concert. A talk by Dr. Stratton, selections by the Glee Club and a Tech Show specialty act will be broadcast directly from Walker as part of the main Phantom Dinner program.

The program of the Pop Concert, which begins at 7:30 o'clock, will be presented in the following order: Medleys, Banjo Club; "Take Me Back to Tech" and "Shadow March," Glee Club; "Gypsy Love Song" and "Cuba," Mandolin Club; Banjo Duet, Perry Davidson '26 and Floyd Hall '28; "Away to Rio" and "Old Man Noah," Glee Club; Medleys, Banjo Club; "Time Flies," L. J. O'Malley '28; "O Sole Mio" and "A Song of India," Mandolin Club; Popular selections, The Technicians; "Cardinal and Grey" and the "Stein Song," Ensemble.

Sit Around Tables

Those present at the concert will be seated around tables in Walker, after the fashion of the Pop Concerts. Refreshments will consist of cakes and ice cream. Tickets have been selling during the past week and may still be obtained from members of the Musical Clubs, the price being fifty cents.

Tech Show will offer two numbers, one by Richard Whiting '27 and the other by the chorus. In addition, the
(Continued on Page 4)

BANQUET FOR THE TECH WEDNESDAY

Editor to Address Annual Gathering At The Hotel Lenox

Maurice S. Sherman, Editor of the Springfield Union and Dr. H. W. Tyler '84, Head of the Department of Mathematics of Technology will be the speakers at the annual banquet of THE TECH staff to be held in the Hotel Lenox Wednesday night.

Guests for the evening will include several members of the Faculty, Alumni, and activity men. Announcement will be made of the elections to the Managing Board, Associate Board, and Staff of Volume XLVI at this dinner. The change of management is coming at this time in order to link up the transition to the two term system.

Previously, the change has been made at the end of the second term to allow the new board to become organized before the press of studies start again, and is being made at this time in order to take advantage of the recess between the first and second terms.

Mr. Sherman will speak on the relation of journalism to the college paper, and Dr. Tyler will speak of his experiences during his recent European trip.

CALENDAR

Tuesday January 19

6:00—Tech Show Orchestra Rehearsal, East Lounge, Walker.
7:30-9:30—Musical Clubs Stag Pop Concert, Main Hall, Walker.
9:30-12:00—Phantom Dinner Broadcast, Main Hall, Walker.

Wednesday, January 20

6:30—Annual Staff Banquet of THE TECH, Hotel Lenox.
7:30—Electrical Society Meeting, North Hall, Walker.

Friday, January 22

2:00—Physics Dept., Movies, "A Trip Through Filmland," room 10-250.

A Record of
Continuous
News Service
for 44 Years



Established 1881

Official News
Organ of the
Undergraduates
of Technology

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I AM THY FATHER'S SPIRIT

Doomed to Walk The Corridors of '93

THE Department of Mechanical Engineering or whoever it is that teaches the technique of moving heavy objects deserves to feel proud of the dormitory goblin's rampages. That phantom miracle worker's skill has increased immensely as he gains experience and the wisdom that comes of advancing years and association with some of America's best engineering minds. He, who began by removing doors, paddling obnoxious freshmen, laying barrages of tear gas, and erecting signs upon the dormitory roof, has grown up and now takes interest in more serious feats of engineering. The quiet placing in the basement of the Class of 1893 Dormitory of a Ford touring car which required the services of a tractor when the Institute attempted its removal, is his latest stunt.

We sophisticated moderns marvel at the ancients who built the pyramids without the use of Twentieth Century engineering aids. We also marvel at the ingenuity shown by the goblin in performing his self-appointed task. The question being asked by the Dormitory Committee, "Who put the Ford in '93" promises to be as mirth provoking as a similar question asked in "Give and Take," "Who built the pyramids, Capital or Labor?" Whatever agency was used to place the Ford in the dormitory, both Capital and Labor were required to remove it. Perhaps the Institute's maintenance department would like to know how the job was accomplished. Major Smith might consult Margery.

Coincident with the announcement of the amalgamation of Tech Show's finances with those of the M. I. T. A. A. comes a spurt of effort on the part of the athletic teams, resulting in an unusual record. Within the past week or so, the Basketball team has defeated Rhode Island State and Lowell Textile and come within an ace of winning from Harvard; the Hockey team has gained victories over Boston University and Massachusetts Agricultural College; the Swimming team defeated B. U. and lost by two points to Amherst; and the Wrestling team lost to the strong Tufts team by a narrow margin in the last event.

COACHES AND CHARACTER

AT the recent meeting of the American College Association, President Richmond of Union College, threw a new light on college athletics when he said, "The first thing to ask about a coach is not, 'is he efficient?' but 'what kind of man is he?'"

Usually the undergraduate is "on guard" against influences deleterious or otherwise. However, under the strain of a coming athletic event the coach takes him when he is "off guard." At this instant the student can be easily influenced and moulded to the desire of the coach. For these reasons coaches should be chosen having the highest qualities of character, so that they may mould and inspire honorable thoughts and ideals in the undergraduates.

President Richmond continues stating that if a coach can make young men "fit for the wear and tear of life" and instruct them to "conserve and use their strength under the command of a firm mind and noble aim" let him have a salary higher than a college president. For no dean or member of the faculty comes into more intimate contact with the undergraduates "off guard" than the coach. His actions and his locker room talks work wonders.

The truth of this argument is unquestionable. It would render intercollegiate athletic contests more than ever character forming and inspiring. However, it must be remembered that in the public eye athletic contests are entered to test the strength and skill of the teams and that the character of the coach and his influence over the athlete is only an issue of immediate concern to a few. Rightly or wrongly, the multitude is concerned with the victorious team, and it will therefore be difficult to convince everyone that high character is more important in a coach than athletic skill.

There is a possibility of "Boston Tech" becoming a reality if the plans now under way for a "Greater Boston" succeed. With both the present and the former mayor of Boston advocating the plan, with several newspapers urging the unification of the administration of the metropolitan district under one head in a borough system similar to that of New York, all that is needed is the consent of the smaller towns to make Cambridge, Somerville, et al, parts of Boston.

THE TECH BOOK LIST

The following books have been carefully chosen by the editors of this publication with the assistance of the publishers as being of interest and import to our readers. It is not purposed to discuss books of a scientific nature but ones of amusing and cultural value. Additional information concerning such books will be furnished upon request.

THE CLIO: a novel by L. H. Myers. New York. Charles Scribner's Sons. \$2.00.

Highly sophisticated, delightfully frank, and extremely witty is this latest product of the pen of the author of "The Orissers." Moreover, the book is quite up to date: the action takes place in November, 1925.

Myers does what Michael Arlen tries to do: he represents, with a high degree of truth to life, the doings of the "smart set," the class whose natural habitat is Mayfair and Bond Street. The story deals with Lord Oswestry and the party aboard his mother's yacht, the Clio, in Amazon waters.

The nature descriptions are unusually good: the exotic appearance of the jungle,—dank, steaming, mysterious—when viewed from the ship as she steams up the river; and then the harsh, brutal aspect of the rotting vegetation, the poisonous and disagreeable animal life, when the ship has run aground and the jungle is actually surrounding the ship.

Character, too, is well handled: young Hugh Stanford, the wireless operator, who reads the quantum theory to forget that he is hopelessly in love; Angela, who is physically innocent but mentally extremely "loose"; Lady Oswestry, who cares for nothing save the careers of her sons; Mary, pining for the good-for-nothing lover she has left behind, with whom she exchanges daily wireless messages; Stella, with no regard for ethics or for the husband who deserted her; Harry, the quintessence of cynicism, who would rather control a South American revolution than take

his place in the House of Lords.

Myers has caught to a high degree the spirit of life aboard "the most expensive steam-yacht in the world," with a group all of the "leisure" class, with the forced intimacies of tropical clothing and comparatively close quarters, with a revolution on shore and the river but a mile or two wide, with fever and pestilence in the jungle close at hand, while the ordinary forces of life and love go on aboard the yacht.

All in all, the book is one of the most entertaining this reviewer has seen in a long time. It is his opinion that Myers will win a permanent place in English literature.

Joseph H. Melhado.

Meiklejohn, Former Amherst President, Urges Reform In Education Methods

In a recent address delivered before the Forum of Williams College, Dr. Meiklejohn, formerly of Amherst, gave his views on the place and duty of the modern college. He emphasized the fact that it is the duty of the faculty as well as that of the scholars to arrange their curricula so that they will be led to follow those channels of thought which represent the present needs of the world. It is his desire to inculcate in them a code of morals which exemplify the principles of taste, objectivity, common sense and friendliness.

Dr. Meiklejohn believes that the average American mind is a very capable instrument but that it is not used to think about things which are worth while. He said that we are giving our attention and highest interest to the non-essentials of life and declared "what the thinking America is doing about religion is a disgrace."

In questioning the modern demand for more absolute freedom, he stated that the desire to avoid the word "ought" is as dogmatic as the dogma it tries to avoid. According to his ideas, in endeavoring to flee from duty, we are smashing many old prejudices which are well done away with.

Dr. Meiklejohn's code of morals is based on values. Life is a series of choices. Taste, the first point, distinguishes between the things it considers. If values are overlooked because of dullness a great wrong is done in failing to take advantage of them. His second point is the objectivity of things, or the measuring of values; while his third point is common sense refusing to let emotions distort our sense of value.

The speaker urged students to cultivate a philosophic turn of mind in order to understand oneself. "Our institutions of learning must become places of philosophic insight. The danger to scholarship is that it shall not be free to know itself and know what to do."

Play Directory

CASTLE SQUARE: "Able's Irish Rose." Cohen and O'Brien meet.

COLONIAL: "Stella Dallas."—Movie, featured by unusually fine acting and direction.

COPLEY: "The Sport of Kings."—Comedy of the race track. First time in America.

HOLLIS: "The Poor Nut."—Fraternities, athletics, and love.

MAJESTIC: "The Big Parade."—Laurence Stallings (who wrote "What Price Glory") tries a movie.

PLYMOUTH: "White Collars."—Another comedy of American life.

REPERTORY: "Much Ado About Nothing."—Remains for another week.

SHUBERT: "Earl Carroll's Vanities."—"The Night Club Edition" opens.

TREMONT: "No, No, Nanette."—Begins second week of its return engagement.

WILBUR: "Sky High."—Willie Howard stars in unusually good show.

History of the Former Buildings Of the Institute

Very few students at Technology are acquainted with the history of the Institute buildings. Undoubtedly, more appreciation would be shown for the present Institute if these facts were better known.

The first building to be constructed was located in the plot between Boylston, Newbury, Berkeley and Clarendon Streets granted by the Commonwealth for the erection of a polytechnical institution. In 1881 there was only one important building, the instructing staff numbered 37, and there were 302 students registered. The lone building had been named in the honor of the first president of the Institute, William Barton Rogers. In it were contained the various laboratories, the steam laboratory occupying a position under the stairs, with no screen or partition to protect its one small, but excellent, engine. A one story annex of brick and frame construction was next built to house the shops which were established by President Runkle in 1876.

More Land Acquired

Those were days of struggle and very great economy for the Institute. In 1883, a grant of land had been secured for the construction of a new shop building along the Providence Railroad tracks at the foot of Garrison Street. These shops provided space for 40 carpenter's benches, 37 wood lathes, and 32 forges besides a full equipment of planers and shapers. The President's Report for 1883 tells of the construction of a new building at the corner of Boylston and Clarendon Streets which was to be devoted to Architecture and Drawing.

During the next few years the Institute graduated from a struggling technical school to a great scientific institution. More land was acquired at the foot of Stanhope Street bordering on the Boston and Albany Railroad's property. In this plot were constructed three engineering buildings, a Union, and the Pierce Building. The Union was opened in 1908 and at that time it served the purpose of the present Walker Memorial which even then was being thought of in connection with the "new Technology on a new site."

The Union was a two and one half story building fronting on Trinity Place. A lunchroom was situated on the ground floor with accommodations for 300 students. On the second floor was a club room in which were portrayed former Tech Show pictures and posters and which contained the Frank Cilley Library.

(Continued on Page 4)

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ALWAYS THE
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ENGINEER CAPTAIN RUNS GREAT RACE

Institute Swimming Team Drops Hard Meet To Amherst Saturday

Leness Stars As Harvard Defeats Technology 4-2 In Practice Relay Meet

Institute Short Distance Men Show Superiority Over Crimson—Harvard Captures Four Distance Events

Technology's winter track season opened with a bang both for the varsity and freshmen last Saturday afternoon when the relay teams won two out of the six races held with Harvard on the board track at Soldier's Field. Harvard may have won the majority of the races, they may even have been superior in the distance runs but the honors in the short distances went to the Engineers.

Jack Wiebe Forces Miller

One of the best quartet of sprinters which have assembled under the cardinal and gray colors at any one time, toed the mark in the hardest fought race of the afternoon, the varsity one lap event. Wiebe, Steinbrenner, Tony and K. E. Smith were the four Tech men who ran themselves into the limelight by winning over the Crimson's best sprinters. It was no crippled quartet of Harvard men who opposed the Engineers but men of such calibre as Al Miller, intercollegiate indoor 70 yard dash champion, and Howie Burns former schoolboy sprint luminary.

Miller and Wiebe running first, started off at a lively pace with the Harvard man slightly in the lead but Jack was constantly at his shoulder. Miller passed the stick to Ballentyne with about 2 yards lead but Hank Steinbrenner, Tech hurdler extraordinary and dash man superior, knifed the advantage right in two so that

HERE'S ONE POSSIBILITY—

Just to give you an idea of the sort of trip we can offer you this Summer at the lowest rates possible, here's an outline of one of the special tours organized by Thomas Cook & Son covering a four weeks' vacation abroad:

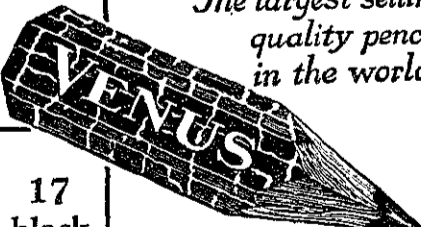
After the pleasures of the ocean voyage, the time is apportioned as follows:

- London, 3 days
- Brussels, 1 day
- The Hague, 1 day
- Amsterdam, 1 day
- Cologne, 1 day
- The Rhine, 1 day (by steamer)
- Lucerne, 2 days
- Berne, 1 day
- Lausanne, 1 day
- Paris, 5 days (including war zone)

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Charlie Tonry the next Beaver runner was only a yard to the bad.

Frosh Sprinters Win

Tonry, racing against Burns of Harvard, kept the Crimson lead down to a yard and when the final runners, K. B. Smith for Tech, and Blackwell Jones for Harvard, flew away from the mark they were fairly evenly matched. Smith continually kept at the shoulders of the Harvard man and flashing a burst of speed at the tape finished a half yard to the good.

Capt. Leness Runs Great Race

Capt. George Leness, running anchor in the six lap varsity event proved himself to be the really great runner that he is when he cut down a lead of 50 yards to about a dozen yards running against the former Olympic man Soapy Watters. Harvard had as fast a set of distance men running in this event as there are in intercollegiate circles today, in the East at any rate. Since Georgetown lost by graduation last June her distance men par excellence, there is no college relay team anywhere around that would rank in front of Harvard's team.

When Leness took the baton, Soapy Watters, running anchor for the crimson, was about 50 yards to the fore of the Engineer leader but George was not to be dismayed by that prospect. He set out to overtake the Crimson leader and although he failed to pass the former intercollegiate half mile champion, he clipped about 38 yards from his handicap. Watches disagreed as to the exact time which it took Leness to negotiate the half but it is safe to say that he finished well under the two minute mark.

Not only did the varsity sprinters eke out a win but the freshman dash men not to be outdone by their older brothers spiked their way to a victory over the crimson yearlings, this time also in the one lap event. White, leadoff man for the Harvard men got the jump at the gun but Barrington running in the same position for Technology passed him on the first turn and from then on the Engineer frosh were never headed. They won by about 20 yards.

The Summary

VARSITY

One lap—Won by Technology (Wiebe, Steinbrenner, Tony, K. E. Smith); second Harvard (Miller, Ballentyne, Burns, Jones). Time—1 min. 5 sec.

Three lap—Won by Harvard (Dunn, Rogers, O'Neil, Lundell); second, Technology (Kautzman, Havlett, Stevenson, Symonds). Time—3 min. 35 2-5 sec.

Six lap—Won by Harvard (Tibbetts, Kane, Haggerty, Watters); second, Technology (Kirvin, Meagher, K. A. Smith, Leness). Time—8 min.

FRESHMEN

One lap—Won by Technology (Barrington, Lanso, Danner, Berman); second, Harvard (White, Grimm, Griscom, Tupper). Time—1 min. 6 2-5 sec.

Three lap—Won by Harvard (O'Connell, Coleman, Dorman, Hulsman); second, Technology (Earl, Speller, Burgess, Hallahan). Time—3 min. 41 2-5 sec.

Six lap—Won by Harvard (Koch, Hartnett, Driver, Win Smith); second, Technology (Watters, Worthen, Payson, Michell). Time 8 min. 40 sec.

FRESHMEN SWAMPED BY ANDOVER MERMEN

Technology freshmen were swamped by the Phillips-Andover swimming team Saturday afternoon, the Engineer yearlings going down under a 56-6 score. Phillips-Andover won every first place and also every second with the Tech men bringing up in the rear in all of the events.

The Summary
50 yard dash—Won by Swoop (A). Brown (A) 2nd, Ellsworth (T) 3rd. 28 3-5 sec.

100 yard—Won by Jeffrey (A), Seiberling (A) 2nd, Lamb (T) 3rd. 2 min. 32 sec.

Dive—Won by Smith (A), Armstrong (A) 2nd, Hoffman (T) 3rd.

100 yard free style—Won by Noyes (A), Riley (A) 2nd, Mark (T) 3rd. 1 min 9 3-5 sec.

100 yard breaststroke—Won by Noyes (A), Anderson (A) 2nd, Tufts (T) 3rd. 1 min. 17 sec.

50 yard backstroke—Won by Paine (A), Tully (A) 2nd, Hoffman (T) 3rd. 33 4-5 sec.

Relay—Won by Phillips Andover (Noyes, Brown, Swoop, Noyes), 2nd, M. I. T. freshmen (Mark, Kenney, Ellsworth, Lamb). 1 min. 55 2-5 sec.

WRESTLERS LOSE OPENING MEET OF SEASON TO TUFTS

Result of Meet Hinges on Last Bout Between Staebner and Waldron

THE FINAL SCORE IS 14-11

All Bouts Closely Contested With Only Two Won By Falls

When Waldron of Tufts defeated Staebner of M. I. T. by a referee's decision in the unlimited class, the Tufts matmen clinched the meet between the Engineers and Juniors, winning by a score of 14 to 11. Franks, who was elected captain recently, starred for Tech when he threw his opponent in 7 min. 24 sec. Johnson, in the 125-pound class and Harris in the 145-pound division added to the Technology total by winning decisions.

In the first bout, Thorpe of Tufts beat Cullen by a decision. The Tufts man was on the offensive throughout the bout, but was unable to win by a fall. Cullen, who is a sophomore, is rather inexperienced as yet but gives indications of becoming a good man.

Harris Defeats Tufts Captain

The second bout was rather slow. Neither Johnson of Technology nor Lawrence of Tufts could find an opening, so that the men were on their feet most of the time. Johnson had the edge and received the decision. Rabinovitz and Small had an exciting bout in the 135-pound class. Small, the Tufts man, won the decision, but only after Rabinovitz had given him a good battle.

Harris of Tech made a fine showing in the 145-pound class. Wrestling against Ropes the Tufts captain, he had him in difficulty all the time and on several occasions nearly won by a fall. In the 158-pound class Captain Franks won by a fall after a hard bout with Pettis. Franks showed his skill in the ease with which he got out of his opponents holds. The bout seemed very even for a while, but when the chance came the Technology captain came through and won by a fall before the audience knew what was happening.

In the 175-pound class Hanson defeated Adler, the Tech entrant by a fall. The bout was full of action while it lasted, especially near the finish where Adler stalled off an almost certain fall by remarkable efforts.

At the start of the final bout, between Staebner and Waldron, the score was tied at eleven all. Staebner, the Tech man raised the hopes of the audience when he outwrestled the Tufts warrior at the beginning of the contest. However, Waldron managed to get on top and once or twice had Staebner in a bad way. After hard work the Tech wrestler succeeded in getting up, but he was so exhausted that he could do little. Waldron earned the decision, but he had to work very hard to get it.

The Summary

115 lbs.—Thorpe, Tufts beat Cullen, Tech, by a decision.

125 lbs.—Johnson, Tech, beat Lawrence, Tufts, by a decision.

135 lbs.—Small, Tufts, beat Rabinovitz, Tech, by a decision.

145 lbs.—Harris, Tech, beat Ropes, Tufts, by a decision.

158 lbs.—Franks, Tech, threw Pettis, Tufts. Time: 7 min. 24 sec.

175 lbs.—Hanson, Tufts, threw Adler, Tech. Time: 4 min. 1 sec.

Unlimited—Waldron, Tufts, beat Staebner, Tech, by a decision.

Score: Tufts 14, Tech 11.
Referee: George Myerson.

FRESHMAN MATMEN TIE HARVARD CUBS

The Technology freshmen battled to a 13 to 13 tie with the Harvard freshmen at the hangar gym Saturday afternoon. Ross and Burke won for the M. I. T. team by falls after overtime periods and Bacon in the 158-pound class won by a decision.

Captain Burke of the Tech frosh won after a terrific bout which went to four overtime periods. Burke in action resembles very much his older brother, who is New England intercollegiate champion.

The Summary

115 lbs.—Ross, Tech, defeated Brown, Harvard, by a fall. Time: 2 mins. 49 sec.

125 lbs.—Lieberman, Harvard, defeated Dickenson, Tech, by a fall. Time: 2 min. 23 sec.

135 lbs.—Lifrak, Harvard, defeated Der Marderosian, Tech by a fall. Time: 7 min. 7 sec.

145 lbs.—Burke, Tech, defeated Galamis, Harvard, by a fall. Time: 1 min. 20 sec.

158 lbs.—Bacon, Tech, defeated Kaufman, Harvard, by a referee's decision.

175 lbs.—Goodwin, Harvard, defeated Keene, Tech, by a referee's decision.
Score: Harvard 13, Tech 13.

Amherst Swimmers Defeat Institute In Closely Contested Battle 32-30

In a closely contested swimming meet in which the winner was in doubt up to the finish of the relay race, the Technology mermen dropped their dual engagement with Amherst in the Cambridge Y. M. C. A. pool Saturday night by the score of 32 to 30. The score saw-sawed back and forth from the opening event until the finish, and the honors of the entire evening were all wrapped up in one event, the relay race, which went to the purple swimmers only after a thrilling fight put up by Grover in the last lap to close the gap between Conover, the leading Amherst swimmer, and himself.

Grover Loses 40-Yd. Dash

The best showing of the Institute swimmers was made in the 200 yard breast stroke in which Puschin took first, setting up a new Technology record, and Paul Johnson took second. Grover was forced to bow to the prowess of Conover in the 40 yard dash when the star Purple natator spanned the distance in 20 2-5 seconds. Conover proved to be the outstanding swimmer on the Amherst team, taking first in the 40 and swimming on the winning relay team.

The 40 yard dash was a disappointment to Technology followers in as much as Grover was beaten out, but the margin was extremely small.

Woods Captures Dives

Dodd of Amherst was too powerful a swimmer for the Captain Weis in the gruelling 440 yard swim and finished one length of the pool ahead of the Cardinal and Gray leader. Weis kept abreast of the Purple distance-man for 12 lengths but at this point Dodd started to pull away and appeared to be loafing near the end of the race. Keay of Technology placed in this event after a pretty duel with Xenides. They were neck and neck nearly all the way and only about 3 yards separated them at the finish.

Whitey Woods celebrated his reinstatement by taking first in the fancy diving. Hurlburt was the only entry from Amherst in this event and he took second place. Brown turned in one point for Technology by taking third place. The visible method of scoring was used for the second time this year in the dives and proved very satisfactory.

Ralph Johnson was headed in the 140 yard backstroke by J. Chase in a close race. They swam even up to the last lap and Johnson made a bad turn and lost about a yard which decided the race. Myron took third ahead of Bridges.

Grover swam true to form in the 100 yard dash and beat out Young by a good margin. His time was 1 min. 2-5 sec. Dodd took second, and third place looked almost like a tie between Kelsey and Young but the judges decided in favor of Young. Had this place gone to Kelsey, the result of the meet would have been a tie.

Relay Decides Meet

Swimming the 200 yard breast stroke for the first time, Al Puschin established a Technology record for this distance in 2 minutes 55 3-5 seconds. Paul Johnson started out fast and maintained his pace throughout to take second place, giving the Cardinal and Gray 8 points in this event.

With the score 30 to 24 in the Engineer's favor, the relay race was needed to clinch the meet and the crowd was on edge when the swimmers lined up. Ralph Johnson was lead-off man and was defeated by a slight margin which was increased in the next two laps, but Grover, the anchor man, swam like a demon and almost closed the gap.

The Summary

40 yard dash—Conover (A) 1st; Grover (T) 2nd, Johnson (T) 3rd. 20 2-5 sec.

440 yard—Dodd (A) 1st, Capt. Weis (T) 2nd, Keay (T) 3rd. 6 min. 22 4-5 sec.

Fancy Diving—Woods (T) 1st, Hurlburt (A) 2nd, Brown (T) 3rd.

140 yard backstroke—J. Chase (A) 1st, R. Johnson (T) 2nd, Myron (A) 3rd. 2 min. 6 sec.

100 yard—Grover (T) 1st, Dodd (A) 2nd, Young (A) 3rd. 1 min. 2-5 sec.

200 yard breast stroke—Puschin (T) 1st, Johnson (T) 2nd, A. Chase (A) 3rd. 2 min. 55 3-5 sec.

New M. I. T. record. 160 yard relay—Amherst 1st (Weichert, Angleman, Young, Conover); Technology 2nd (Johnson, Walworth, Weis, Grover) 1 min. 22 2-5 sec.

Intercollegiates

Following the example of Yale, the students of Pennsylvania State College expressed their disapproval of compulsory chapel by a vote of 1709 to 35. This was one of the largest votes ever polled at Penn State College. With these returns as a basis it is expected that the Student Council will petition the Board of Trustees for the abolition of the institution. The chapel referendum came as the culmination of a two week discussion of the question. The entire campaign was managed by the Penn State Collegian.



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Six Stories to Be Featured in January T.E.N.

Passamaquoddy Bay Tidal Plan And Phonofilms To Be Main Features

In addition to the features stated in the last issue of THE TECH, The Tech Engineering News will offer three more feature articles. The January issue will be on sale in the Institute tomorrow morning.

According to the publicity manager of the engineering journal, one of the most important feature articles is that on the Passamaquoddy Bay Tidal Project. It was written by K. C. Reynolds, instructor in Civil Engineering at the Institute. This article gives a resume of the lecture given to the Civil Engineering Society by Dexter P. Cooper, promoter of the project, in Huntington Hall, November 13. It includes a full page map on the Power development area as well as a graph of the variation of water levels.

Another important article on the theory and practice of a model basin to be constructed shortly at the Institute, is included in this issue of T. E. N. It was written by K. E. Schoenherr '22, assistant engineer of tests, Bureau of Construction and Repair at Washington, D. C. The purpose of this tank is to test model ships to ascertain whether or not the cost of operation of these ships will allow a reasonable margin of profit upon the goods they carry.

Still another article is a discussion of the educational activities and systems of the Bell system for the development of trained personnel. This is the second of a series of articles to discuss the failure of technical graduates to succeed. The interest of this article is chiefly due to the announcement of a new co-operative course at Technology in communication engineering with the Bell Telephone Company.

Our engineering journal also contains several other articles, including one on Phonofilms, one on the new course in Ship Operation, and one on the recent developments of Aeronautical Engineering.

NOTED MEN ADDRESS TECHNOLOGY ALUMNI

Radio Dinner Broadcast To Be Received At Walker (Continued from Page 1)

Tech Show Orchestra will render some selections.

Speakers on the program are L. D. Gardner '98, chairman of the committee in charge; David Sarnoff, vice president of the Radio Corporation of America; General J. G. Harbord, president of the same Company; Vice-President Charles G. Dawes; George Eastman, founder of the Eastman Kodak Company; Dr. Samuel W. Stratton, president of the Institute, and Thomas Desmond, president of the Technology Club of New York.

All of the radio talks are to be short, the longest being scheduled for nine minutes. In addition several musical selections will be given by the Victor, Hotel Brunswick, and Paul Specht's Moulin Rouge orchestras.

PROF. MILLER TO DISCUSS COURSES

Professor E. F. Miller '85 will discuss the engineering course for the benefit of the freshmen in room 10-250 Thursday at 4 o'clock. As did Professor C. L. Norton '93 at the lecture last week, he will tell of the opportunities open to graduates of these courses.

It will be brought out by the speaker that what counts is doing well in the course one does take and developing the personality. Employers now ask for a man's record in undergraduate activities rather than his mark. Professor Miller states that working during the summer will also do much to make a man a good mixer because of the necessary intimate contact with his fellow workmen.

In a speech given before the American Association of College Professors at Chicago, Professor W. J. Newlin of Amherst recently stated that football was first in the hearts of college men with mathematics a close second. However he stated that football builds stadiums while mathematics can not build a residence hall.

COMPETITION WON BY COURSE IV MEN

Is First National Competition Held By Beaux Arts This Year

Technology Course IV Sophomores received more points than those of any other school in the recent design competition conducted by the Beaux Arts Institute of Design. This problem, entitled "A Tomb Arranged Like Napoleon's," was the first they have issued this season and was open to students registered in an institute in this country.

The second year awards were as follows: "First Mention Placed," R. J. Hunn; "First Mention," J. A. Russell, E. A. Francis; "Second Mention," J. D. W. Churchill, C. Goldberg, G. W. Plimpton, C. W. Rogers, Z. M. Sourian. In the same competition Atelier Licht received one "First Mention Placed," Columbia on "First Mention Placed" and one "First Mention," Illinois three "First Mentions," Southern California three "First Mentions," and Yale one "First Mention."

In the third year project, "A Tennis Court Building," which was also judged in New York last Tuesday, Atelier Licht received one "First Mention Placed" and two "First Mentions," Yale one "First Mention," the Los Angeles Architectural Club one "First Mention," and Technology three "Second Mentions,"—Miss K. Buckingham, A. Feer, and J. A. E. Schwartz.

In December a competition, entitled "A Synagogue," for fifth year men was held at which time Technology received the following awards: "First Medal,"—W. E. Campbell, N. L. Flint; "Second Medal,"—H. L. Beckwith, E. O. Hollen; "First Mention,"—S. Glazer, J. L. Hautmen, D. S. Nelson, M. L. Radoslovich, J. A. Walquist; "Second Mention,"—H. R. Gamble.

BASKETBALL TEAM BEATS R. I. STATE

Early Lead of Rhode Island Team Is Shortlived (Continued from Page 1)

Hinck was ejected from the fray late in the first half. Things looked pretty glum then as the Rhode Island lads were going great, and if it were not for the good display of spirit and cheering by the 500 Technology rooters that filled the stands, the outcome would probably have been a lot different.

Captain Bill Forrester played his usual brilliant game being high scorer for the night with six floor goals and four foul shots for a total of 16 points. George Mock, taking Hinck's place when the latter was ruled out, performed creditably during the remainder of the game. Although a bit nervous, Mock figured prominently in the team's passwork as well as playing a fine guarding game, by holding his man scoreless. Incidentally Mock scored a brace of two pointers which figured greatly in the team's scoring.

Mock Replaces Hinck

Rhode Island started the fireworks when Haire made a nice shot as the result of a pass. Forrester evened things up when he sank a pretty air basket from quarter court. Rhode Island forged ahead when Hill scored a two pointer. Estes made good on a foul when he was tripped. Hinck held and Ashar registered from the foul line. Hinck evened the count for Technology when he slipped in a pretty shot from side court. Technology took the lead when Forrester duplicated his first shot. Ashar dribbled in to knot the count for Rhode Island. Hill put Rhode Island ahead with a free try. Myer evened things up again with a foul shot when Ashar held. Haire deposited a two pointer, but Forrester and Biehle scored giving the Engineers a one point advantage.

Asher and Jensen scored in rapid succession for Rhode Island to give the visitors a three point advantage. Hinck scored on a free try. Hill sank a nice one for Rhode Island. Forrester made good on a free try when Spekin pushed him. Spekin scored a foul shot when Estes pushed him. At this stage of the game Hinck was forced to leave the game by the personal foul route, when he fouled Haire, the latter making good on the free try. Mock replaced Hinck at guard as the half came to a close.

At the beginning of the second half, the Red and Gray clad hoopers took the floor with a grim determination to win. It was not many minutes before the tables were turned. Baskets by Estes, Mock and Captain Forrester did the trick. The latter's one handed shot from a difficult angle drew a big hand from the spectators. It was by far the hardest and best shot of the game. Ashar and Jensen were the next to be called out on personals and Coach Keene of the visitors put in five substitutes in order to stem the Engineer attack, but his efforts were in vain.

PROFESSOR BOWLES GIVES RADIO TALK

(Continued from Page 1)

tem now has a commercial service for transmitting pictures between New York, Chicago, and San Francisco. A charge of \$3 per photo for the near distance and \$60 for the further is made.

Professor Bowles discussed the use of short waves and their measurements. He showed several vacuum tube oscillators, wavemeters, and a Piezo-electric oscillator. The cathode ray oscillograph in action was also demonstrated. J. K. Clapp '23, Professor Bowles' assistant in preparing the many and novel experiments used to illustrate the lecture, had on exhibition his short wave set with which he has worked New Zealand.

A radio control apparatus designed by Mr. Clapp was used to operate Felix, the radio cat, a toy electric train, which acted as might be expected and promptly left the track, a reversible electric motor, and several other pieces of apparatus. During the latter part of the lecture and immediately following its close, T. Taylor '26 and W. R. Dresser '26 both of Course VI-C, demonstrated many of the leading loud speakers by comparison on reception of the "C" scale being played by a student near a microphone in an adjoining room. By experiments they showed the value of not cutting out the overtones in reception or transmission.

BOAT CLUB DANCE PROVES A SUCCESS

Complete success marked the first dance of the Tech Boat Club last Friday evening, in the opinion of those who were present. Comfortably filling both North Hall and the Faculty Dining Room, the dancers heartily applauded every selection rendered by Bill Boyle and his Copley-Plaza Orchestra. The crossed oars which were used for decorating the hall proved to be the source of considerable favorable comment.

The patronesses at this dance were Mrs. William Haines, Mrs. Daniel C. Sayre, and Mrs. H. P. McCarthy. As the affair was formal the dancing continued until one o'clock. It is felt that the dance succeeded in interesting quite a few new students in the Boat Club which is expected to make rowing more prominent at the Institute this spring.

The colleges and universities in the United States have an enrollment this year that totals 1,602,000 students. This is nearly three quarters the number which has been graduated from all the American institutions of college rank during the three hundred years of college history in this country.

HISTORY OF FORMER INSTITUTE BUILDINGS

(Continued from Page 2)

With the completion of the present buildings in 1916, all materials were moved into the new quarters while the school of Architecture remained at the Rogers Building. Meanwhile the Institute is continuing its progress but the sacrifices and struggles of the first educational body will long be remembered for it forms one of the bases of educational activity—tradition.

M. I. T.			
	G	F	P
Estes, rf	1	1	3
Forrester, lf	6	4	16
Biehle, c	0	2	2
Hinck, rf	1	1	3
Mock, rf	2	0	4
Meyer, lg	0	2	2
Total	10	10	30
RHODE ISLAND STATE			
	G	F	P
Hill, rf	3	1	7
Asher, lf	2	1	5
Spiken, lf	0	1	1
Haslam, c	0	0	0
Haire, rf	4	1	9
Jensen, lg	2	0	4
Total	11	4	26
Referee: Coady.			
Timer: Kelly.			
Time: 20 min. halves.			

MECHANICALS VISIT ENGINE WORKS TODAY

In their last trip of this term the Mechanical Engineering Society will visit the Worthington Engine Works today at 1:30 o'clock. The manufacture and operation of Diesel Engines will be inspected with special attention being given to the parts that are used to make up the engine.

All those planning to go must meet in the Walker lobby; the walk to the plant will take about ten minutes.

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Notices and Announcements

OFFICIAL

U. S. NAVAL AIR SERVICE GROUND SCHOOL

There will be two lectures per week in this subject, every Tuesday and Thursday evening at 7, in room 6-226. The course will run until May 11, 1926.

CHORAL SINGING G 58

The course in Choral Singing, G 58, which was not offered last term, will be given twice a week during the second term, from 5 to 6 on Mondays and Fridays in room 5-330. The instructor will be Mr. Stephen Townsend. Those passing this course will be credited with one General Study.

UNDERGRADUATE

AMERICAN CHEMICAL SOCIETY

There will be a meeting of the Society Friday evening February 12, in room 10-250, from 6 to 10.

T. C. A. PLEDGES

Men not having redeemed their T. C. A. Drive pledges are requested to do so at once in room 7, Walker.

SENIOR PORTFOLIO

Statistics must be turned in at the Technique office right away.

BOXING

Freshmen substituting boxing for Physical Training should sign up in McCarthy's office at once.

TECHNIQUE

Seniors are requested to return their proofs to Notman's Studio at once.

B. A. A. GAMES

Through the courtesy of Mr. Albert Geiger, M. I. T. '95, a section has been reserved for Tech men and tickets can be obtained from Major F. H. Briggs, 10 High Street, Boston. The price is \$4.40 each. Applications should be made preferably by mail, with remittance, not later than February 2nd.

TECH SHOW ORCHESTRA

There will be a rehearsal tomorrow evening in the East Lounge of Walker at 6 o'clock.

FROSH FENCING

All freshmen wishing to substitute Fencing for P. T. 2 should sign up with Mr. McCarthy at his office before the end of the term.

A new group will be formed on the first Tuesday afternoon of the new term in the Gymnasium, Walker Memorial at 4:30 P. M.

FRESHMAN RIFLE TEAM

A meeting will be held today at 1 o'clock at the Rifle Range to elect the captain of the team. The following men are asked to be present: Cox, Brenner, Arpin, Harding, Hartline, Hershberg, Jorjorian, Kimmel, Lane, Loomis, Macy, Reddig, Tarbox, Reigle, Girling. Unless a reasonable excuse is offered for an absence from this meeting, members not reporting will be dropped from the squad.

VARSITY AND FROSH BASKETBALL

All Varsity and Frosh basketball players will meet in Notman's Studio today at 12:20 for pictures. Bring uniforms.

FRESHMAN TUG-OF-WAR TEAM

Freshmen who were on the tug-of-war team will report at Notman's Studio, 1285 Massachusetts Avenue, tomorrow morning at 8:25 for the Technique picture. Wear jerseys.

ELECTRICAL ENGINEERING SOCIETY

There will be a meeting of the society Wednesday evening at 7:30 in North Hall, Walker. A student paper, illustrated by slides, will be delivered.

THE TECH

The Annual Staff Banquet of THE TECH will be held Wednesday evening at 6:30 at the Hotel Lenox.

PHYSICS DEPARTMENT MOVIES

The Physics department will present the photoplay "A Trip Through Filmland" next Friday at 2 o'clock in room 10-250. This will take the place of the last class in Photography 8.15.

TRACK MEET TICKETS

All those wishing tickets for the B. A. A. Indoor Track Meet, February 6, should apply to the track management at the Track House.